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GmPep890

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GmPep890,

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GmPep890

$10^{-6}$   $10^{-12}$  .

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GmPep89

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GmPep890,

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GmPep890

 $10^{-6}$ 

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 $10^{-12}$

## ABSTRACT

Thesis, page 45, pic. 9, 58 the sources used.

HYPERTERMIA, SEEDLINGS TRITICALE, ELICITORS, MORPHOMETRIC CHARACTERISTICS, PHELONIC COMPOUNDS.

*The object of research* were grown seedlings of winter triticales roll method in water culture.

*The aim of this work* was to study the effect of peptide elicitor GmPep890 and compositions of organic acids on physiological and biochemical characteristics of seedling of triticales subjected hyperthermia.

*The main methods* is the physiological methods studying morphometric parameters of seedlings, as well as spectrophotometric method for determining the amount of soluble phenolic compounds and hydroxycinnamic acids.

*As a result of the work showed* that a synthetic peptide soy GmPep890, and succinic and glutamic acids possess elicitor properties. They lead to an increase in the synthesis of phenolic compounds involved in the formation of plant resistance to the action of stress factors. The most pronounced protective effect detected in processing plants composition GmPep890 synthetic peptide at a concentration of  $10^{-12}$  M in combination with succinic acid at a concentration of  $10^{-6}$  M.